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(71)Applicant : HITACHI LTD
HITACHI ULSI SYSTEMS CO LTD
HITACHI CHEM CO LTD

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(72)Inventor : IDO TATSUMI
NAGARA TAKAMITSU
KIMURA TADAHIRO
TAKAHASHI TORU

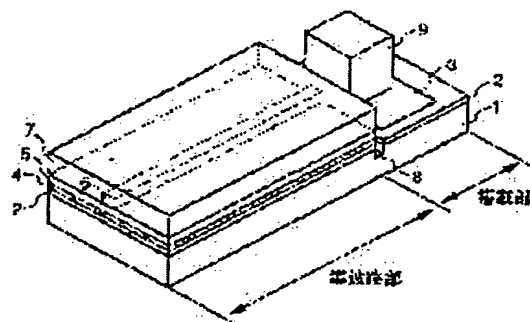
(54) OPTICAL WAVEGUIDE AND MANUFACTURING METHOD OF OPTICAL WAVEGUIDE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a manufacturing method with superior mass-productivity for a polymer waveguide substrate having a semiconductor element mount part.

SOLUTION: After an adhesion layer for improving the adhesive strength between a polymer waveguide and a substrate is provided only at a waveguide part, a polymer waveguide is formed over the entire surface of the substrate. The polymer layer at the border between a mount part and waveguide part is cut and an unnecessary polymer at the mount part is peeled and removed.

図 1



1: シリコン基板
2: 酸化シリコン膜
3: 電極
4: 粘着層
5: 下部クラッド層
6: コア層
7: 上部クラッド層
8: ダイシング溝
9: 半導体元素

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